6450-01-p

DEPARTMENT OF ENERGY

Energy Employees Occupational Illness Compensation Act of 2000; List of Covered Facilities

AGENCY: Department of Energy.

ACTION: Notice of Listing of Covered Facilities

Register. This notice responds to both the Act and the Order.

SUMMARY: The Energy Employees Occupational Illness Compensation Act of 2000 ("Act"), Public Law 106-398, establishes a program to provide compensation to individuals who developed illnesses as a result of their employment in nuclear weapons production-related activities and at certain federally-owned facilities in which radioactive materials were used. On December 7, 2000, the President issued Executive Order 13179 ("Order") directing the Department of Energy ("Department" or "DOE") to list covered facilities in the Federal

FOR FURTHER INFORMATION CONTACT: Office of Worker Advocacy, 1-877-447-9756.

ADDRESSES: The Department welcomes comments on this list. Individuals who wish to suggest additional facilities for inclusion on the list, indicate why one or more facilities should be removed from the list, or provide other information may contact:

Office of Worker Advocacy (EH-8) U.S. Department of Energy 1000 Independence Avenue, SW Washington, DC 20585 email: worker\_advocacy@eh.doe.gov

toll-free: 1-877-447-9756

SUPPLEMENTARY INFORMATION:

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## Purpose:

The Energy Employees Occupational Illness Compensation Act of 2000 ("Act"), Public Law 106-398, establishes a program to provide compensation to individuals who developed illnesses as a result of their employment in nuclear weapons production-related activities and at certain federally-owned facilities in which radioactive materials were used. On December 7, 2000, the President issued Executive Order 13179 ("Order") directing the Department of Energy ("Department" or "DOE") to list covered facilities in the Federal Register. Section 2. c. vii of the Order instructs the Department to list three types of facilities:

- 1) Atomic weapons employer facilities, as defined in section 3621 (4) of the Act;
- 2) Department of Energy facilities, as defined by section 3621 (12) of the Act; and
- 3) Beryllium vendors, as defined by section 3621 (6) of the Act.

Compensation options and mechanisms are defined differently for each of these facility categories. The atomic weapons employer category includes facilities in which the primary work was not related to atomic weapons, and consequently these facilities are not commonly known as atomic weapons facilities. Their inclusion in this list is consistent with the Act, and is not intended as a classification for any other purpose.

The list at the end of this notice represents the Department's best efforts to date to compile a list of facilities in these three categories. Reconstructing the operational history of the nuclear weapons system over a sixty-year period is a complex and sometimes imprecise undertaking. Some list entries are based on records that contain the names and addresses of companies and facilities at the time work was performed for the Department and its

predecessor federal agencies. The list may identify a corporate headquarters facility as a production location, or may contain some inadvertent duplication because of changes in names, ownership, and addresses. Similarly, attempts to minimize duplication may have resulted in the inadvertent omission of subsidiaries and satellite locations that should be included.

Accordingly, the Department is continuing its research efforts in order to better understand past production activities, and DOE intends to update this list at least once annually so long as new information becomes available. The public is invited to comment on the list and to provide additional information.

In addition to continuing its research efforts, the Department is developing information dissemination mechanisms to make facility-specific data available to the public, including a publicly accessible database of site-related information. This database will help ensure that the Department keeps track of facilities involved in atomic weapons and other work potentially resulting in contamination or exposure. The site database will include, among other information, the type of nuclear weapons-related production work done, the dates such work occurred, and available health and safety data concerning the facility. The listing of facility name and location in this notice represents only a first step in providing information to the public.

The Act does not cover workers involved in uranium mining and milling, or those who worked in support of naval nuclear propulsion programs. Consequently, facilities associated with this type of work are not listed in this notice. Some workers who became ill as a result of

their employment at these facilities may be covered by other programs such as the Radiation Exposure Compensation Act (RECA), the Federal Exposure Compensation Act (FECA), or other jurisdictions' worker compensation programs.

Introduction to the Covered Facility List

The list that follows covers the three categories of employers defined by the Act: atomic weapons employers ("AWE"), Department of Energy facilities ("DOE"), and beryllium vendors ("BE"). Some facilities fall into more than one category. For example, if a private contractor facility handled both radioactive materials and beryllium, it will have "AWE" and "BE" in the "facility type" column. For another example, a facility will have both "DOE" and "AWE" codes if ownership changed between the DOE and another entity. The Department intends to provide facility-specific explanations of the applicability of these categories through the database mentioned above.

Each of the categories is defined below:

1. Atomic Weapons Employers

Section 3621 (4) of the Act defines an atomic weapons employer as "an entity that-

- (A) processed or produced, for the use by the United States, material that emitted radiation and was used in the production of an atomic weapon, excluding uranium mining and milling; and
- (B) is designated as an atomic weapons employer for purposes of this title by the Secretary of Energy."

Most facilities listed as an AWE conducted nuclear weapons-related work for a limited period of time or in certain select areas of the plant. For example, some sites worked with radioactive materials to evaluate processing machinery that was being considered for use in atomic weapons production. Radioactive materials may not have been used as a routine part of the facility's operations. The Act covers those workers who became sick as a consequence of their work in support of nuclear weapons production activities, and was not intended to cover all workers at each site named.

The lines between research, atomic weapons production, and non-weapons production are often difficult to draw. For the purposes of this notice, and as directed by the Act, only those facilities whose work involved radioactive material that was connected to the weapons production chain are included. Available information about many of these facilities is incomplete or unclear, and the Department welcomes comments or additional information regarding facilities that may have supported atomic weapons production that are not on this list, as well as information that clarifies the work done at facilities named below.

### 2. Department of Energy Facilities

Section 3621 (12) of the Act defines a DOE facility as "any building, structure, or premise, including the grounds upon which such building, structure, or premise is located-

(A) in which operations are, or have been, conducted by, or on behalf of, the Department of Energy (except for buildings, structures, premises, grounds, or operations covered by Executive Order 12344, pertaining to the Naval Nuclear Propulsion Program); and

- (B) with regard to which the Department of Energy has or had--
  - (i) a proprietary interest; or
- (ii) entered into a contract with an entity to provide management and operation, management and integration, environmental remediation services, construction, or maintenance services."

Consistent with this definition, the Department has taken a broad view of where operations have been conducted by DOE or its predecessor agencies. The list includes any facility handling radioactive materials or beryllium in which the Department had management and operations, management and integration, environmental remediation, or construction and maintenance contracts. This broad definition includes many facilities which are not generally thought of as Departmental facilities, as well as facilities which are not necessarily involved with weapons-related work. For example, some universities and private companies are included because the Department contracted for environmental remediation services at these sites, even though the Department did not own the facility. Also, some DOE-owned laboratories are included because they do work involving radioactive materials, even though that work is not related to nuclear weapons production.

The Act covers production workers at the gaseous diffusion plants at Paducah, KY and Piketon, OH. Production workers at these facilities are covered for work conducted until July 28, 1998, when the facilities were privatized under the control of the United States Enrichment Corporation (USEC, Inc.)

The listing of Department of Energy facilities is only intended for the context of implementing this Act and does not create or imply any new Departmental obligations or ownership at any of the facilities named on this list.

## 3. Beryllium Vendors

Section 3621(6) of the Act defines beryllium vendor as the following:

- "(A) Atomics International.
- (B) Brush Wellman, Incorporated, and its predecessor, Brush Beryllium Company.
- (C) General Atomics.
- (D) General Electric Company.
- (E) NGK Metals Corporation and its predecessors, Kawecki-Berylco, Cabot Corporation, BerylCo, and Beryllium Corporation of America.
  - (F) Nuclear Materials and Equipment Corporation.
  - (G) StarMet Corporation, and its predecessor, Nuclear Metals, Incorporated.
  - (H) Wyman Gordan, Incorporated.
- (I) Any other vendor, processor, or producer of beryllium or related products designated as a beryllium vendor for purposes of this title under Section 3622."

Beryllium metal has been an important material for atomic weapons production, and it was used at many places throughout the production system. The list indicates private firms that processed, produced, or provided beryllium metal for the Department, as defined by the

Act. This information is drawn from a variety of historical documents, and much data remains incomplete. The Department welcomes comments or additional information about its beryllium vendors.

# Covered Facility List

Jurisdiction	Facility Name	Location	Facility Type
AL	Southern Research Institute	Sylacauga	AWE
AL	Speed Ring Experimental & Tool Company	Culman	BE
AL	Tennessee Valley Authority	Muscle Shoals	AWE
AK	Amchitka Island Nuclear Explosion Site	Amchitka Island	DOE
AK	Project Chariot Site	Cape Thompson	DOE
CA	Arthur D. Little Co.	San Francisco	AWE
CA	Atomics International	Canoga Park	BE
CA	Burris Park Field Station	Kingsburg	AWE
CA	Ceradyne, Inc.	Santa Ana	BE
CA	Dow Chemical Co.	Walnut Creek	AWE
CA	Electro Circuits, Inc.	Pasadena	AWE
CA	Energy Technology Engineering Center	Santa Susana	DOE
CA	General Atomics	La Jolla	AWE/BE/DOE
CA	General Electric Vallecitos	Pleasanton	AWE
CA	Hunter Douglas Aluminum Corp.	Riverside	AWE
CA	Laboratory for Energy-Related Health Research	Davis	DOE
CA	Laboratory of Biomedical and Environmental Sciences	Los Angeles	DOE
CA	Laboratory of Radiobiology and Environmental Health	San Francisco	DOE
CA	Lawrence Berkeley National Laboratory	Berkeley	DOE
CA	Lawrence Livermore National Laboratory	Livermore	DOE
CA	Sandia Laboratory, Salton Sea Base	Imperial County	DOE
CA	Sandia National LaboratoriesLivermore	Livermore	DOE
CA	Stanford Linear Accelerator Center	Palo Alto	DOE
CA	Stauffer Metals, Inc.	Richmond	AWE
CA	University of California	Berkeley	AWE/DOE
CO	Coors Porcelain	Golden	BE
CO	Project Rio Blanco Nuclear Explosion Site	Rifle	DOE
CO	Project Rulison Nuclear Explosion Site	Grand Valley	DOE
CO	Rocky Flats Plant	Golden	DOE
CO	Shattuck Chemical	Denver	AWE
CO	University of Denver Research Institute	Denver	AWE/BE
СТ	American Chain and Cable Co.	Bridgeport	AWE
СТ	Anaconda Co.	Waterbury	AWE
СТ	Bridgeport Brass Co., Havens Lab.	Bridgeport	AWE
СТ	Combustion Engineering	Windsor	AWE/DOE
CT	Connecticut Aircraft Nuclear Engine Lab. (CANEL)	Middletown	BE/DOE
CT	Dorr Corp.	Stamford	AWE
СТ	Fenn Machinery Co.	Hartford	AWE

CT	Now England Lines Co.	0	A\A/E
CT	New England Lime Co.	Canaan	AWE AWE/DOE
CT	Seymour Specialty Wire	Seymour	AWE/DOE AWE
CT	Sperry Products, Inc.	Danbury	=
CT	Torrington Co.	Torrington	AWE
DE	Allied Chemical and Dye Corp.	North Claymont	AWE
DC	National Bureau of Standards, Van Ness Street	Washington	AWE DOE
DC	Naval Research Laboratory	Washington	AWE/DOE
FL =:	American Beryllium Co.	Sarasota	BE
FL 	Armour Fertilizer Works	Bartow	AWE
FL 	C.F. Industries, Inc.	Bartow	AWE
FL 	Gardinier, Inc.	Tampa	AWE
FL 	International Minerals and Chemical Corp.	Mulberry	AWE
FL	Pinellas Plant	Clearwater	DOE
FL	University of Florida	Gainesville	AWE
FL	Virginia-Carolina Chemical Corp	Nichols	AWE
FL	W.R. Grace Co., Agricultural Chemical Div.	Ridgewood	AWE
ID	Argonne National LaboratoryWest	Scoville	DOE
ID	Idaho National Engineering Laboratory	Scoville	DOE
IL	Allied Chemical Corp.	Metropolis	AWE
IL	American Machine and Metals, Inc.	E. Moline	AWE
IL	Argonne National LaboratoryEast	Argonne	DOE
IL	Armour Research Foundation	Chicago	AWE
IL	Blockson Chemical Co	Joliet	AWE
IL	C-B Tool Products Co.	Chicago	AWE
IL	Crane Co.	Chicago	AWE
IL	ERA Tool and Engineering Co.	Chicago	AWE
IL	Fansteel Metallurgical Corp.	North Chicago	BE
IL	Fermi National Accelerator Laboratory	Batavia	DOE
IL	Granite City Steel	Granite City	AWE/DOE
IL	Great Lakes Carbon Corp.	Chicago	AWE
IL	GSA 39th Street Warehouse	Chicago	AWE
IL	International Register	Chicago	AWE
IL	Kaiser Aluminum Corp.	Dalton	AWE
IL	Lindsay Light and Chemical Co.	W. Chicago	AWE
IL	Madison Site (Speculite)	Madison	AWE/DOE
IL	Midwest Manufacturing Co.	Galesbury	AWE
IL	Museum of Science and Industry	Chicago	AWE
IL	National Guard Armory	Chicago	AWE/DOE
IL	Podbeliniac Corp.	Chicago	AWE
IL	Precision Extrusion Co.	Bensenville	AWE
IL	Quality Hardware and Machine Co.	Chicago	AWE
IL	R. Krasburg and Sons Manufacturing Co.	Chicago	AWE
IL	Sciaky Brothers, Inc.	Chicago	AWE
IL	Swenson Evaporator Co.	Harvey	AWE
IL	University of Chicago	Chicago	AWE/DOE
IL	W.E. Pratt Manufacturing Co.	Joliet	AWE
IL	Wycoff Drawn Steel Co.	Chicago	AWE
IN	American Bearing Corp.	Indianapolis	AWE
IN	Dana Heavy Water Plant	Dana	DOE
IN	General Electric Plant	Shelbyville	AWE
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IN	Joslyn Manufacturing and Supply Co.	Ft. Wayne	AWE
IN	Purdue University Van der Graaf Lab.	Lafayette	AWE
IN	Washrite	Indianapolis	AWE
IA	Ames Laboratory	Ames	DOE
IA	Iowa Ordnance Plant	Burlington	DOE
IA	Titus Metals	Waterloo	AWE
KS	Spencer Chemical Co., Jayhawks Works	Pittsburg	AWE
KY	Paducah Gaseous Diffusion Plant	Paducah	DOE
MR*	Eniwetok Test Site	Marshall Islands	DOE
MD	Armco-Rustless Iron & Steel	Baltimore	AWE
MD	W.R. Grace and Company	Curtis Bay	AWE/DOE
MA	American Potash & Chemical	West Hanover	AWE
MA	C.G. Sargent & Sons	Graniteville	AWE
MA	Chapman Valve	Indian Orchard	AWE/DOE
MA	Edgerton Germeshausen & Grier, Inc.	Boston	AWE
MA	Fenwal, Inc.	Ashland	AWE
MA	Franklin Institute	Boston	BE
MA	Heald Machine Co.	Worcester	AWE
MA	La Pointe Machine and Tool Co.	Hudson	AWE
MA	Massachusetts Institute of Technology	Cambridge	AWE/BE
MA	Metals and Controls Corp.	Attleboro	AWE
MA	National Research Corp.	Cambridge	AWE
MA	Norton Co.	Worcester	AWE/BE
MA	Nuclear Metals, Inc.	Concord	AWE/BE
MA	Reed Rolled Thread Co.	Worcester	AWE
MA	Shpack Landfill	Norton	AWE/DOE
MA	Ventron Corporation	Beverly	AWE/DOE
MA	Winchester Engineering and Analytical Center	Winchester	DOE
MA	Woburn Landfill	Woburn	AWE
MA	Wyman Gordon Inc.	Grayton, North Grafton	BE
MI	AC Spark Plug	Flint	BE
MI	Baker-Perkins Co.	Saginaw	AWE
MI	Carboloy Co.	Detroit	AWE
MI	Extruded Metals Co.	Grand Rapids	AWE
MI	General Motors	Adrian	AWE/DOE
MI	Gerity-Michigan Corp.	Adrian	BE
MI	Mitts & Merrel Co.	Saginaw	AWE
MI	Oliver Corp.	Battle Creek	AWE
MI	Revere Copper and Brass	Detroit	AWE/BE
MI	Speed Ring Experimental & Tool Company	Detroit	BE
MI	Star Cutter Corp.	Farmington	AWE
MI	University of Michigan	Ann Arbor	AWE
MI	Wolverine Tube Division	Detroit	AWE
MN	Elk River Reactor	Elk River	DOE
MS	Salmon Nuclear Explosion Site	Hattiesburg	DOE
MO	Kansas City Plant	Kansas City	DOE
MO	Latty Avenue Properties	Hazelwood	AWE/DOE
MO	Mallinckrodt Chemical Co., Destrehan St. Plant	St. Louis	AWE/DOE
MO	Medart Co.	St. Louis	AWE
MO	Roger Iron Co.	Joplin	AWE

MO	Spencer Chemical Co.	Kansas City	AWE
MO	St. Louis Airport Site	St. Louis	AWE/DOE
MO	Tyson Valley Powder Farm	St. Louis	AWE
MO	United Nuclear Corp.	Hematite	AWE
MO	Weldon Spring Plant	Weldon Spring	DOE
NE	Hallam Sodium Graphite Reactor	Hallam	DOE
NV	Nevada Test Site	Mercury	DOE
NV	Project Faultless Nuclear Explosion Site	Central Nevada Test Site	DOE
NV	Project Shoal Nuclear Explosion Site	Fallon	DOE
NV	Yucca Mountain Site Characterization Project	Yucca Mountain	DOE
NJ	Aluminum Co. of America (Alcoa)	Garwood	AWE
NJ	American Peddinghaus Corp.	Moonachle	AWE
NJ	Baker and Williams Co.	Newark	AWE
NJ	Bell Telephone Laboratories	Murray Hill	AWE
NJ	Bloomfield Tool Co.	Bloomfield	AWE
NJ	Bowen Lab.	North Branch	AWE
NJ	Callite Tungsten Co.	Union City	AWE
NJ	Chemical Construction Co.	Linden	AWE
NJ	Du Pont Deepwater Works	Deepwater	AWE/DOE
NJ	International Nickel Co., Bayonne Laboratories	Bayonne	AWE/DOL
NJ	J.T. Baker Chemical Co.	Phillipsburg	AWE
NJ	Kellex/Pierpont	Jersey City	AWE/DOE
NJ	Maywood Chemical Works	Maywood	AWE/DOE
NJ	Middlesex Municipal Landfill	Middlesex	AWE/DOE
NJ	Middlesex Sampling Plant	Middlesex	DOE
NJ	National Beryllia	Haskell	BE
NJ	New Brunswick Laboratory	New Brunswick	DOE
NJ	Picatinny Arsenal	Dover	AWE
NJ	Princeton Plasma Physics Laboratory	Princeton	DOE
NJ	Rare Earths/ W.R. Grace	Wayne	AWE/DOE
NJ	Standard Oil Development Co. of NJ	Linden	AWE
NJ	Tube Reducing Co.	Wallington	AWE
NJ	U.S. Pipe and Foundry	Burlington	BE
NJ	United Lead Co.	Middlesex	AWE
NJ	Vitro Corp. of America	West Orange	AWE
NJ	Westinghouse Electric Corp.	Bloomfield	AWE
NJ	Wykoff Steel Co.	Newark	AWE
NM	Chupadera Mesa	Chupadera Mesa	DOE
NM	Los Alamos Medical Center	Los Alamos	DOE
NM	Los Alamos National Laboratory	Los Alamos	DOE
NM	Lovelace Respiratory Research Institute	Albuquerque	DOE
NM	Project Gasbuggy Nuclear Explosion Site	Farmington	DOE
NM	Project Gnome Nuclear Explosion Site	Carlsbad	DOE
NM	Sandia National Laboratories	Albuquerque	DOE
NM	South Albuquerque Works	Albuquerque	DOE
NM	Trinity Nuclear Explosion Site	White Sands Missile Range	DOE
NM	Waste Isolation Pilot Plant	Carlsbad	DOE
NY	Allegheny-Ludlum Steel	Watervliet	AWE
NY	American Machine and Foundry	Brooklyn	AWE
NY	Ashland Oil	Tonawanda	AWE/DOE

NY	Baker and Williams Warehouses	New York	AWE/DOE
NY	Bethlehem Steel	Lackawana	AWE AWE
NY	Bliss & Laughlin Steel	Buffalo	AWE/DOE
NY	Brookhaven National Laboratory	Upton	DOE
NY	Burns & Roe, Inc.	Maspeth	BE
NY	Colonie Site (National Lead)	Colonie	AWE/DOE
NY	Columbia University	New York City	AWE/DOE
NY	Electro Metallurgical	Niagara Falls	AWE
NY	General Astrometals	Yonkers	BE
NY	Hooker Electrochemical	Niagara Falls	AWE
NY	International Rare Metals Refinery, Inc.	Mt. Kisko	AWE
NY	Ithaca Gun Co.	Ithaca	AWE
NY	Lake Ontario Ordnance Works	Niagara Falls	DOE
NY	Ledoux and Co.	New York	AWE
NY	Linde Air Products	Buffalo	AWE
NY	Linde Ceramics Plant	Tonawanda	AWE/DOE
NY	New York University	New York	AWE
NY	Peek Street Facility**	Schenectady	DOE
NY	Radium Chemical Co.	New York	AWE
NY	Rensselaer Polytechnic Institute	Troy	AWE
NY	Sacandaga Facility**	Glenville	DOE
NY	Seaway Industrial Park	Tonawanda	AWE/DOE
NY	Seneca Army Depot	Romulus	AWE
NY	Separations Process Research Unit (at Knolls Lab.)**	Schenectady	DOE
NY	Simonds Saw and Steel Co.	Lockport	AWE
NY	Staten Island Warehouse	New York	AWE
NY	Sylvania Corning Nuclear Corp.	Hicksville	AWE/DOE
NY	Sylvania Products Corp.	Bayside	AWE/BE
NY	Titanium Alloys Manufacturing	Niagara Falls	AWE
NY	Trudeau Foundation	Saranac Lake	BE
NY	University of Rochester Medical Laboratory	Rochester	AWE/DOE
NY	Utica St. Warehouse	Buffalo	AWE
NY	West Valley Demonstration Project	West Valley	DOE
NC	Beryllium Metals and Chemical Corp.	Bessemer City	BE
NC	University of North Carolina	Chapel Hill	BE
ОН	Air Force Plant 36	Evandale	AWE
ОН	Ajax Magnathermic Corp.	Youngstown	AWE
ОН	Alba Craft	Oxford	AWE/DOE
ОН	Associated Aircraft Tool and Manufacturing Co.	Fairfield	AWE/DOE
ОН	B & T Metals	Columbus	AWE/DOE
ОН	Baker Brothers	Toledo	AWE/DEL
OH	Battelle Columbus Laboratories	Columbus	AWE
OH	Battelle Memorial Institute	Columbus	AWE/BE/DOE
OH	Beryllium Production Plant (Brush)	Luckey	BE/DOE
OH	Brush Beryllium Co.	Elmore	AWE/BE
OH	Brush Beryllium Co.	Cleveland	AWE/BE
OH	Brush Beryllium Co.	Loraine	AWE/BE
OH	Cincinnati Milling Machine Co.	Cincinnati	AWE
OH	Clifton Products Co.	Clifton	BE
OH	Clifton Products Co.	Painesville	BE

OH         Copperweld Steel         Warren         AWE           OH         Du Pont-Grasselli Research Laboratory         Cleveland         AWE           OH         Extrusion Plant         Ashtabula         DOE           OH         Feed Materials Production Center         Femald         DOE           OH         General Electric Company         Cincinnati/Evendale         AWE/BE/DOE           OH         Harshaw Chemical Co.         Cleveland         AWE           OH         Harshaw Chemical Co.         Cleveland         AWE           OH         Harshaw Chemical Co.         Cleveland         AWE           OH         Horizons, Inc.         Cleveland         AWE           OH         Mortinory Tool and Manufacturing Co.         Cleveland         AWE           OH         McKinney Tool and Manufacturing Co.         Cleveland         AWE           OH         Mitchell Steel Co.         Cincinnati         AWE           OH         Mitchell Steel Co.         Dayton         AWE           OH         Mitchell Steel Co.         Dayton         AWE           OH         Piqua Organic Moderated Reactor         Piqua         DOE           OH         Piqua Organic Moderated Reactor         Piqua	ОН	Connerweld Steel	Warren	AWE
OH         Extrusion Plant         Ashtabula         DOE           OH         Feed Materials Production Center         Fernald         DOE           OH         General Electric Company         Cincinnati/Evendale         AWE/BE/DOE           OH         Gruen Watch         Norwood         AWE           OH         Harshaw Chemical Co.         Cleveland         AWE           OH         Herring-Hall Marvin Safe Co.         Hamilton         AWE/DOE           OH         Holizons, Inc.         Cleveland         AWE           OH         McKtering Laboratory, University of Cincinnati         Cincinnati         BE           OH         McKinney Tool and Manufacturing Co.         Cleveland         AWE           OH         McKinney Tool and Manufacturing Co.         Cliceland         AWE           OH         Mitchell Steel Co.         Cincinnati         AWE           OH         Mound Plant         Mismisburg         DOE           OH         Mound Plant         Mismisburg         DOE           OH         Pajua Organic Moderated Reactor         Piqua Doe         Painesville         AWE/DOE           OH         Piqua Organic Moderated Reactor         Piqua Piqua         DOE         OH         Piqua Piqua Piqua	_			
OH         Feed Materials Production Center         Fernald         DOE           OH         General Electric Company         Cincinnati/Evendale         AWE/BE/DOE           OH         Gruen Watch         Norwood         AWE           OH         Harshaw Chemical Co.         Cleveland         AWE           OH         Herring-Hall Marvin Safe Co.         Hamilton         AWE/DOE           OH         Horizons, Inc.         Cleveland         AWE           OH         Motizons, Inc.         Clincinnati         BE           OH         Magnus Brass Co.         Cincinnati         AWE           OH         McKinney Tool and Manufacturing Co.         Cleveland         AWE           OH         McKinney Tool and Manufacturing Co.         Cleveland         AWE           OH         McKinney Tool and Manufacturing Co.         Dayton         AWE           OH         Monariat Chemical Co.         Dayton         AWE           OH         Monsanto Chemical Co.         Dayton         AWE           OH         Painesville Site (Diamond Magnessium Co.)         Painesville         AWE/DOE           OH         Painesville Site (Diamond Magnessium Co.)         Painesville         AWE/DOE           OH         Potau Organic Moder	_			
OH         General Electric Company         Cincinnati/Evendale         AWE/BE/DOE           OH         Gruen Watch         Norwood         AWE           OH         Harshaw Chemical Co.         Cleveland         AWE           OH         Herring-Hall Marvin Safe Co.         Hamilton         AWE/DOE           OH         Horizons, Inc.         Cleveland         AWE           OH         McKtering Laboratory, University of Cincinnati         Cincinnati         AWE           OH         McKtering Laboratory, University of Cincinnati         AWE           OH         McKinney Tool and Manufacturing Co.         Cleveland         AWE           OH         McKinney Tool and Manufacturing Co.         Cleveland         AWE           OH         Michael Steel Co.         Cincinnati         AWE           OH         Mound Plant         Mismissiburg         DOE           OH         Piqua Organic Moderated Reactor         Piqua         DOE           OH         Potamount Gaseous Diffusion Plant         Piketon         DOE           OH         Potsmouth Gaseous Diffusion Plant         Piketon         DOE           OH         Tech-Art, Inc.         Milliord         AWE           OH         Teck-Art, Inc.         Milliord <td>_</td> <td></td> <td></td> <td>_</td>	_			_
OH         Gruen Watch         Norwood         AWE           OH         Harshaw Chemical Co.         Cleveland         AWE           OH         Herring-Hall Marvin Safe Co.         Hamilton         AWE/DOE           OH         Herring-Hall Marvin Safe Co.         Cleveland         AWE           OH         Kettering Laboratory, University of Cincinnati         Cincinnati         BE           OH         Morting Laboratory, University of Cincinnati         Cleveland         AWE           OH         Morting Laboratory, University of Cincinnati         AWE           OH         Morting Laboratory, University of Cincinnati         AWE           OH         Miching Sase Co.         Clincinnati         AWE           OH         Miching Markite Co.         Dayton         AWE           OH         Monard Plant         Mismisburg         DOE           OH         Painesville Site (Diamond Magnesium Co.)         Painesville         AWE/DOE           OH         Poinesville Site (Diamond Magnesium Co.)         Painesville         AWE/DOE           OH         Poinesville Site (Diamond Magnesium Co.)         Painesville         AWE/DOE           OH         Protain Organic Moderated Reactor         Piqua         DOE           OH         Pr	_			_
OH         Harshaw Chemical Co.         Cleveland         AWE           OH         Herring-Hall Marvin Safe Co.         Hamilton         AWE/DOE           OH         Horizons, Inc.         Cleveland         AWE           OH         Kettering Laboratory, University of Cincinnati         Cincinnati         BE           OH         Magnus Brass Co.         Cincinnati         AWE           OH         McKinney Tool and Manufacturing Co.         Circinnati         AWE           OH         Midnisbury         DOE           OH         Monanto Chemical Co.         Dayton         AWE           OH         Monanto Chemical Co.         Dayton         AWE           OH         Monanto Chemical Co.         Dayton         AWE           OH         Monanto Chemical Co.         Painesville         AWE/DOE           OH         Monanto Chemical Co.         Painesville         AWE/DOE           OH         Portsmouth Gaseous Diffusion Plant         Piketon         DOE           OH         Portsmouth Gaseous Diffusion Plant         Piketon         DOE           OH         Portsmouth Gaseous Diffusion Plant         Piketon         DOE           OH         Tocco Induction Heating Div.         Cleveland         AWE	_			
OH         Herring-Hall Marvin Safe Co.         Hamilton         AWE/DOE           OH         Horizons, Inc.         Cleveland         AWE           OH         Kettering Laboratory, University of Cincinnati         Cincinnati         BE           OH         Magnus Brass Co.         Cincinnati         AWE           OH         Michell Steel Co.         Cincinnati         AWE           OH         Michell Steel Co.         Dayton         AWE           OH         Monanto Chemical Co.         Dayton         AWE           OH         Painesville Site (Diamond Magnesium Co.)         Painesville         AWE/DOE           OH         Portsmouth Gaseous Diffusion Plant         Piketon         DOE           OH         Piqua Organic Moderated Reactor         Piqua         DOE           OH         Portsmouth Gaseous Diffusion Plant         Piketon         DOE           OH         Pricus Organic Moderated Reactor         Piqua         DOE           OH         Track Anticola         Maltanticola	_			
OH         Horizons, Inc.         Cleveland         AWE           OH         Kettering Laboratory, University of Cincinnati         Cincinnati         BE           OH         Metering Laboratory, University of Cincinnati         Cincinnati         AWE           OH         McKinney Tool and Manufacturing Co.         Cleveland         AWE           OH         Michell Steel Co.         Cincinnati         AWE           OH         Michell Steel Co.         Dayton         AWE           OH         Monardo Chemical Co.         Dayton         AWE           OH         Mond Plant         Miamisburg         DOE           OH         Palnesville Site (Diamond Magnesium Co.)         Palnesville         AWE/DOE           OH         Piqua Organic Moderated Reactor         Piqua         DOE           OH         Piqua DOE         DOE         OH           OH         Potamouth Gaseous Diffusion Plant         Piketon         DOE           OH         Potamouth Gaseous Diffusion Plant         Piketon         DOE           OH         R. W. Leblond Machine Tool Co.         Cincinnati         AWE           OH         Tocco Induction Heating Div.         Cleveland         AWE           OH         Vulcan Tool Co. <t< td=""><td>_</td><td></td><td></td><td></td></t<>	_			
OH         Kettering Laboratory, University of Cincinnati         Cincinnati         AWE           OH         Magnus Brass Co.         Cincinnati         AWE           OH         McKinney Tool and Manufacturing Co.         Cleveland         AWE           OH         Mitchell Steel Co.         Dayton         AWE           OH         Monagh Plant         Miamisburg         DOE           OH         Painesville Site (Diamond Magnesium Co.)         Painesville         AWE/DOE           OH         Piqua Organic Moderated Reactor         Piqua         DOE           OH         Portsmouth Gaseous Diffusion Plant         Piketon         DOE           OH         Track-Art, Inc.         Milder         AWE           OH         Tocco Induction Heating Div.         Cleveland         AWE           OH		3		· -
OH         Magnus Brass Co.         Cincinnati         AWE           OH         McKinney Tool and Manufacturing Co.         Cleveland         AWE           OH         Mitchell Steel Co.         Cincinnati         AWE           OH         Monsanto Chemical Co.         Dayton         AWE           OH         Mond Plant         Miamisburg         DOE           OH         Painesville Site (Diamond Magnesium Co.)         Painesville         AWE/DOE           OH         Piqua Ogranic Moderated Reactor         Piqua         DOE           OH         Piqua Ogranic Moderated Reactor         Piqua         DOE           OH         Piqua Ogranic Moderated Reactor         Piqua         DOE           OH         Piqua DOE         DOE           OH         Piqua DOE         DOE           OH         Piqua DOE         DOE           OH         Piqua DOE         DOE           OH         Potudo Machine Tool Co.         Cincinnati         AWE           OH         Tocco Induction Heating Div.         Cleveland         AWE           OH         Tocco Induction Heating Div.         Cleveland         AWE           OK         Kerr-McGe         Guthrie         AWE				
OH         McKinney Tool and Manufacturing Co.         Cleveland         AWE           OH         Mitchell Steel Co.         Cincinnati         AWE           OH         Monsanto Chemical Co.         Dayton         AWE           OH         Mound Plant         Miamisburg         DOE           OH         Painesville Site (Diamond Magnesium Co.)         Painesville         AWE/DOE           OH         Piqua Organic Moderated Reactor         Piqua         DOE           OH         Portsmouth Gaseous Diffusion Plant         Piketon         DOE           OH         To Cob Induction Heating Div.         Cicveland         AWE           OH         To Coc Induction Heating Div.         Cleveland         AWE           OK         Kerr-McGee         Guthrie         AWE           OK         Kerr-McGee         Guthrie         AWE           OK         Albany Research Center         <	_		••	
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OH         Monsanto Chemical Co.         Dayton         AWE           OH         Mound Plant         Miamisburg         DOE           OH         Painesville Site (Diamond Magnesium Co.)         Painesville         AWE/DOE           OH         Piqua Organic Moderated Reactor         Piqua         DOE           OH         Portsmouth Gaseous Diffusion Plant         Piketon         DOE           OH         R. W. Leblond Machine Tool Co.         Cincinnati         AWE           OH         Tech-Art, Inc.         Miliford         AWE           OH         Tocco Induction Heating Div.         Cleveland         AWE           OH         Vulcan Tool Co.         Dayton         AWE           OK         Kerr-McGee         Guthrie         AWE           OK         Kerr-McGee         Guthrie         AWE           OR         Albany Research Center         Albany         AWE/DOE           OR         Albang Pessearch Center         Albany         AWE/DOE           OR         Wah Chang         Albany         AWE/DOE           OR         Wah Chang         Albany         AWE/DOE           OR         Alaincipa Forge         Aliquipa AWE/DOE           OR         Aliquipa Forge	_			
OH         Mound Plant         Miamisburg         DOE           OH         Painesville Site (Diamond Magnesium Co.)         Painesville         AWE/DOE           OH         Piqua Organic Moderated Reactor         Piqua         DOE           OH         Portsmouth Gaseous Diffusion Plant         Piketon         DOE           OH         R.W. Leblond Machine Tool Co.         Cincinnati         AWE           OH         Tech-Art, Inc.         Milford         AWE           OH         Tech-Art, Inc.         Milford         AWE           OH         Tocco Induction Heating Div.         Cleveland         AWE           OH         Vulcan Tool Co.         Dayton         AWE           OK         Kerr-McGee         Guthrie         AWE           OR         Albany Research Center         Albany         AWE/DOE           OR         Albany Research Center         Albany         AWE/DOE <tr< td=""><td>_</td><td></td><td></td><td></td></tr<>	_			
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OH       Tech-Art, Inc.       Milford       AWE         OH       Tocco Induction Heating Div.       Cleveland       AWE         OH       Vulcan Tool Co.       Dayton       AWE         OK       Kerr-McGee       Guthrie       AWE         OR       Albany Research Center       Albany       AWE/DOE         OR       Wah Chang       Albany       AWE         PA       Aleroprojects, Inc.       West Chester       AWE         PA       Aliquippa Forge       Aliquippa       AWE/DOE         PA       Aliquippa Forge       Aliquippa       AWE/DOE         PA       Aliquippa Forge       Aliquippa       AWE         PA       Aliquippa Forge       Aliquippa       AWE         PA       Aliquippa Forge       Aliquippa       AWE         PA       Aliquippa Forge       AWE       AWE         PA       Babcock & Wilcox       Parks Township       AWE         PA       Beryllium Corp. of America       Hazleton       BE         PA       Beryllium Corp. of America       Reading       BE         PA       Birdsboro Steel & Foundry       Birdsboro       AWE         PA       Carnegie Mellon Cyclotron Facility       Sa	_			_
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PA Vitro Manufacturing Cannonsburg AWE/BE				
	PA	Vitro Manufacturing	Cannonsburg	AWE/BE

PA	Westinghouse Atomic Power Development Plant	East Pittsburgh	AWE
PR	BONUS Reactor Plant	Punta Higuera	DOE
PR	Puerto Rico Nuclear Center	Mayaguez	DOE
RI	C.I. Hayes, Inc.	Cranston	AWE
SC	Savannah River Site	Aiken	DOE
TN	Clarksville Facility	Clarksville	DOE
TN	Oak Ridge Gaseous Diffusion Plant (K-25)	Oak Ridge	DOE
TN	Oak Ridge Hospital	Oak Ridge	DOE
TN	Oak Ridge Institute for Science Education	Oak Ridge	DOE
TN	Oak Ridge National Laboratory (X-10)	Oak Ridge	DOE
TN	Vitro Corp. of America	Chattanooga	AWE/BE
TN	W. R. Grace	Erwin	AWE
TN	Y-12 Plant	Oak Ridge	DOE
TX	AMCOT	Forth Worth	AWE
TX	Mathieson Chemcial Co	Pasadena	AWE
TX	Medina Facility	San Antonio	DOE
TX	Pantex Plant	Amarillo	DOE
TX	Sutton, Steele and Steele Co.	Dallas	AWE
TX	Texas City Chemicals, Inc.	Texas City	AWE
VA	Babcock & Wilcox Co.	Lynchburg	AWE
VA	Thomas Jefferson National Accelerator Facility	Newport News	DOE
VA	University of Virginia	Charlottesville	AWE
WA	Hanford	Richland	DOE
WA	Pacific Northwest National Laboratory	Richland	DOE
WV	Huntington Pilot Plant	Huntington	AWE/DOE
WI	Allis-Chalmers Co.	West Allis, Milwaukee	AWE
WI	Besley-Wells	South Beloit	AWE
WI	LaCrosse Boiling Water Reactor	LaCrosse	DOE
WI	Ladish Co.	Cudahy	BE

### \* Marshall Islands

\*\* Consistent with the Act, coverage is limited to activities not performed under the responsibility of the Naval Nuclear Propulsion program.

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Signature

David M. Michaels, PhD, MPH **Assistant Secretary** Environment, Safety and Health